

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--|------------------|---------|------------------|
| S1 | 199 | ("5572395" "5536980" "6153948" "6288881" "4323871" "5019937" "3906422" "4272687" "4417222" "4774647" "5025466" "5188909" "5206563" "5341266" "5432322" "5576612" "5612847" "5624237" "5770836" "5923516" "6031302" "6091315" "6155159" "6229229" "6252379" "6262871" "6647120" "20020146135" "20030096157" "20050062579" "5864473" "6104584" "5430401" "5534768" "4611154" "5274594" "5276648" "5506804" "5604656" "5625273" "5703463" "5781390" "5789964" "5991175" "6046627" "6366062" "6400545" "6438059" "6735065" "20010050406" "20020167065" "20030112571" "20060202746" "20060267721" "20060267722" "20060268645" "5640150" "6331763" "6518731" "6914416" "20020079865" "20030132732" "20050258805" "5541804" "5555153" "4780698" "4879805" "5663861" "5945903" "5793274" "4935715" "5481239" "5590011" "5852379" "5854730" "5917690" "5920251" "6217389" "6217389" "6249412" "3571656" "3638157" "4053857" "4104581" "4278874" "4384185" "4451814" "4499557" "4545926" "4550358" "4599705" "4625190" "4801772" "4803455" "5178389" "5420561" "5471185" "5490215" "5545679" "5581192"). pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 11:20 |

EAST Search History

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|----|------|---|--|----|----|------------------|
| S2 | 171 | ("2571027" "2928956" "2006002338 3" "3539871" "3588605" "3629659" "3809959" "3819886" "3839870" "3868549" "4023264" "4164772" "4233673" "4306270" "4389691" "4420784" "4423457" "4438472" "4475139" "4531083" "4531084" "4550356" "4583146" "4631621" "4636907" "4646455" "4647340" "4652962" "4721869" "4723187" "4917531" "4920448" "4959746" "5164872" "5239511" "5339210" "5360988" "5374792" "5430401" "5454904" "5519658" "5536980" "5596535" "5642317" "5703463" "5724366" "5793586" "5933304" "5933308" "5942714" "6078092" "6096580" "6141192" "6218844" "6288881" "6313641" "6377427" "6411482" "6469884" "6477021" "6498385" "6531410" "6532424" "6587027" "6621669" "6625550" "6674667" "6710640" "6746947" "6781436" "6782329" "6813129" "6870720" "6956772" "RE34107").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 12:48 |
| S3 | 1228 | 361/103.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 12:49 |

EAST Search History

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|----|-----|---|--|----|----|------------------|
| S4 | 199 | ("5572395" "5536980" "6153948" "6288881" "4323871" "5019937" "3906422" "4272687" "4417222" "4774647" "5025466" "5188909" "5206563" "5341266" "5432322" "5576612" "5612847" "5624237" "5770836" "5923516" "6031302" "6091315" "6155159" "6229229" "6252379" "6262871" "6647120" "20020146135" "20030096157" "20050062579" "5864473" "6104584" "5430401" "5534768" "4611154" "5274594" "5276648" "5506804" "5604656" "5625273" "5703463" "5781390" "5789964" "5991175" "6046627" "6366062" "6400545" "6438059" "6735065" "20010050406" "20020167065" "20030112571" "20060202746" "20060267721" "20060267722" "20060268645" "5640150" "6331763" "6518731" "6914416" "20020079865" "20030132732" "20050258805" "5541804" "5555153" "4780698" "4879805" "5663861" "5945903" "5793274" "4935715" "5481239" "5590011" "5852379" "5854730" "5917690" "5920251" "6217389" "6217389" "6249412" "3571656" "3638157" "4053857" "4104581" "4278874" "4384185" "4451814" "4499557" "4545926" "4550358" "4599705" "4625190" "4801772" "4803455" "5178389" "5420561" "5471185" "5490215" "5545679" "5581192"). pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 12:51 |
| S8 | 1 | 11/271065 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 13:40 |

EAST Search History

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|-----|----|--|--|----|----|------------------|
| S16 | 72 | (S2 S3 S4) and (((energy power) near3 (threshold level range)) ("i. sup.2") (current near2 square))) same (protect\$3 avoid\$3 prevent\$3) and (mos fet mosfet cmos scr thyristor relay contactor solenoid coil electromechanic\$2 switch) and (housing casing box case) and (sens\$3 monitor\$3 measur\$3 detect\$3) and (microprocess\$3 process\$3 microcomput\$3 comput\$3 memory IC integrat\$3 chip timer a/d d/a (analog near2 digital) (voltage adj (control\$4 regulat\$3 stabiliz\$3)) (software near2 (PCB board card))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 16:40 |
| S17 | 9 | (S2 S3 S4) and (((energy power) near3 (threshold level range)) ("i. sup.2") (current near2 square))) same (protect\$3 avoid\$3 prevent\$3) and (mos fet mosfet cmos scr thyristor relay contactor solenoid coil electromechanic\$2 switch) and (housing casing box case) and (sens\$3 monitor\$3 measur\$3 detect\$3) and (microprocess\$3 process\$3 microcomput\$3 comput\$3 memory IC integrat\$3 chip timer a/d d/a (analog near3 digital) (voltage adj (control\$4 regulat\$3 stabiliz\$3)) (software near2 (PCB board card))) and ((accumulat\$3 add\$3 stor\$3 storag\$3) near2 energy) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 15:27 |
| S18 | 72 | S16 S17 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 16:36 |

EAST Search History

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|-----|-------|---|--|----|----|------------------|
| S19 | 20344 | (((((energy power) near3 (threshold level range)) ("i.sup.2") (current near2 square)))) same (protect\$3 avoid\$3 prevent\$3) and (mos fet mosfet cmos scr thyristor relay contactor solenoid coil electromechanic\$2 switch) and (housing casing box case) and (sens\$3 monitor\$3 measur\$3 detect\$3) and (microprocess\$3 process\$3 microcomput\$3 comput\$3 memory IC integrat\$3 chip timer a/d d/a (analog near2 digital) (voltage adj (control\$4 regulat\$3 stabiliz\$3)) (software near2 (PCB board card)))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 15:57 |
| S20 | 4824 | (((((energy power) near3 (threshold level range)) ("i.sup.2") (current near2 square)))) same (protect\$3 avoid\$3 prevent\$3) and (mos fet mosfet cmos scr thyristor relay contactor solenoid coil electromechanic\$2 switch) and (housing casing box case) and (sens\$3 monitor\$3 measur\$3 detect\$3) and (microprocess\$3 process\$3 microcomput\$3 comput\$3 memory IC integrat\$3 chip timer a/d d/a (analog near2 digital) (voltage adj (control\$4 regulat\$3 stabiliz\$3)) (software near2 (PCB board card)))) and ((energy power) near5 (exceed\$3 above greater) near5 (threshold limit nominal level boundary)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 16:03 |
| S21 | 3590 | (((((energy power) near3 (threshold level range)) ("i.sup.2") (current near2 square)))) same (protect\$3 avoid\$3 prevent\$3) and (mos fet mosfet cmos scr thyristor relay contactor solenoid coil electromechanic\$2 switch) and (housing casing box case) and (sens\$3 monitor\$3 measur\$3 detect\$3) and (microprocess\$3 process\$3 microcomput\$3 comput\$3 memory IC integrat\$3 chip timer a/d d/a (analog near2 digital) (voltage adj (control\$4 regulat\$3 stabiliz\$3)) (software near2 (PCB board card)))) and ((energy power) near3 (exceed\$3 above greater) near3 (threshold limit nominal level boundary)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 18:44 |

EAST Search History

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|-----|------|---|--|----|----|------------------|
| S22 | 72 | S16 S17 and ((energy power) near3 (exceed\$3 above greater) near3 (threshold limit nominal level boundary)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 16:09 |
| S23 | 72 | S16 S17 and ((energy power) adj3 (exceed\$3 above greater) adj3 (threshold limit nominal level boundary)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 16:11 |
| S24 | 1567 | (((energy power) near3 (threshold level range)) ("i.sup.2") (current near2 square))) same (protect\$3 avoid\$3 prevent\$3) and (mos fet mosfet cmos scr thyristor relay contactor solenoid coil electromechanic\$2 switch) and (housing casing box case) and (sens\$3 monitor\$3 measur\$3 detect\$3) and (microprocess\$3 process\$3 microcomput\$3 comput\$3 memory IC integrat\$3 chip timer a/d d/a (analog near2 digital) (voltage adj (control\$4 regulat\$3 stabiliz\$3)) (software near2 (PCB board card))) and ((energy power) adj3 (exceed\$3 above greater) adj3 (threshold limit nominal level boundary)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 16:11 |
| S25 | 16 | (S16 S17) and ((energy power) adj3 (exceed\$3 above greater) adj3 (threshold limit nominal level boundary)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 16:14 |

EAST Search History

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|-----|-----|---|--|----|----|------------------|
| S26 | 921 | (((energy power) near3 (threshold level range)) ("i.sup.2") (current near2 square))) same (protect\$3 avoid\$3 prevent\$3) and (mos fet mosfet cmos scr thyristor relay contactor solenoid coil electromechanic\$2 switch) and (housing casing box case) and (sens\$3 monitor\$3 measur\$3 detect\$3) and (microprocess\$3 process\$3 microcomput\$3 comput\$3 memory IC integrat\$3 chip timer a/d d/a (analog near2 digital) (voltage adj (control\$4 regulat\$3 stabiliz\$3)) (software near2 (PCB board card))) and ((energy power) adj2 (exceed\$3 above greater) adj2 (threshold limit nominal level boundary)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 19:57 |
| S27 | 205 | (((energy power) near3 (threshold level range)) ("i.sup.2") (current near2 square))) same (protect\$3 avoid\$3 prevent\$3) and (mos fet mosfet cmos scr thyristor relay contactor solenoid coil electromechanic\$2 switch) and (housing casing box case) and (sens\$3 monitor\$3 measur\$3 detect\$3) and (microprocess\$3 process\$3 microcomput\$3 comput\$3 memory IC integrat\$3 chip timer a/d d/a (analog near2 digital) (voltage adj (control\$4 regulat\$3 stabiliz\$3)) (software near2 (PCB board card))) and ((energy power) adj (exceed\$3 above greater) adj (threshold limit nominal level boundary)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 16:13 |
| S29 | 1 | "11/193738" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 18:19 |

EAST Search History

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|-----|---|---|--|----|----|------------------|
| S30 | 1 | (S2 S3 S4) and (((energy power) near3 (threshold level range)) ("i. sup.2") (current near2 square))) same (protect\$3 avoid\$3 prevent\$3) and (mos fet mosfet cmos scr thyristor relay contactor solenoid coil electromechanic\$2 switch) and (housing casing box case) and (sens\$3 monitor\$3 measur\$3 detect\$3) and (microprocess\$3 process\$3 microcomput\$3 comput\$3 memory IC integrat\$3 chip timer a/d d/a (analog near2 digital) (voltage adj (control\$4 regulat\$3 stabiliz\$3)) (software near2 (PCB board card))) and 11/193738 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 16:45 |
| S33 | 1 | "11/193738" and any | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 18:28 |
| S34 | 1 | "11/193738" and "42" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 18:29 |
| S36 | 1 | 11/193738 and (((energy power) near3 (threshold level range)) ("i. sup.2") (current near2 square))) same (protect\$3 avoid\$3 prevent\$3) and (mos fet mosfet cmos scr thyristor relay contactor solenoid coil electromechanic\$2 switch) and (housing casing box case) and (sens\$3 monitor\$3 measur\$3 detect\$3) and (microprocess\$3 process\$3 microcomput\$3 comput\$3 memory IC integrat\$3 chip timer a/d d/a (analog near2 digital) (voltage adj (control\$4 regulat\$3 stabiliz\$3)) (software near2 (PCB board card))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 18:48 |

EAST Search History

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|-----|-----|--|--|----|----|------------------|
| S39 | 40 | (((energy power) near3 (threshold level range)) ("i.sup.2") (current near2 square))) same (protect\$3 avoid\$3 prevent\$3) and add\$3 same subtract\$3 same (greater lesser smaller above below) same (threshold limit level range nominal) same accumulat\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 20:08 |
| S40 | 550 | (((energy power) near3 (threshold level range)) ("i.sup.2") (current near2 square))) same (protect\$3 avoid\$3 prevent\$3) and (greater lesser smaller above below) same (threshold limit level range nominal) same (accumulat\$3) same (sum\$4 add\$3 integrat\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 20:20 |
| S41 | 510 | S40 not S39 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 20:09 |
| S42 | 9 | (((energy power) near3 (threshold level range)) ("i.sup.2") (current near2 square))) same (protect\$3 avoid\$3 prevent\$3) and (greater lesser smaller above below) near5 (threshold limit level range nominal) near5 (accumulat\$3) near5 (sum\$4 add\$3 integrat\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 20:21 |
| S43 | 27 | (((energy power) near3 (threshold level range)) ("i.sup.2") (current near2 square))) same (protect\$3 avoid\$3 prevent\$3) and (greater lesser smaller above below) near5 (threshold limit level range nominal) near5 (accumulat\$3 stor\$3 retain\$3 hold\$3 storag\$3) near5 (sum\$4 add\$3 integrat\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 20:33 |
| S44 | 51 | (((energy power) near5 (threshold level range)) ("i.sup.2") (current near2 square))) same (protect\$3 avoid\$3 prevent\$3) and (greater lesser smaller above below) near5 (threshold limit level range nominal) near5 (accumulat\$3 stor\$3 retain\$3 hold\$3 storag\$3) near5 (sum\$4 add\$3 integrat\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 20:39 |

EAST Search History

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|-----|------|--|--|----|----|------------------|
| S45 | 24 | S44 not S43 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 20:34 |
| S46 | 320 | ((((energy power) near5 (threshold level range)) ("i.sup.2") (current near2 square))) same (protect\$3 avoid\$3 prevent\$3) and (threshold limit level range nominal) near5 (accumulat\$3 stor\$3 retain\$3 hold\$3 storag\$3) near5 (sum\$4 add\$3 integrat\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 20:51 |
| S47 | 285 | S46 not S44 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 20:40 |
| S48 | 9280 | ((((energy power) near5 (threshold level range limit nominal)) ("i.sup.2") (current near2 square)) same (protect\$3 avoid\$3 prevent\$3) and (threshold level range limit nominal) near2 (above higher greater) same (threshold level range limit nominal) near2 (below lesser under smaller lower) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 20:56 |
| S49 | 4032 | ((((energy power) near5 (threshold level range limit nominal)) ("i.sup.2") (current near2 square)) same (protect\$3 avoid\$3 prevent\$3) and (threshold level range limit nominal) near (above higher greater) same (threshold level range limit nominal) near (below lesser under smaller lower) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 20:58 |
| S51 | 413 | ((((energy power) near5 (threshold level range limit nominal)) ("i.sup.2") (current near2 square)) same (protect\$3 avoid\$3 prevent\$3) and (threshold level range limit nominal) near (above higher greater) same (threshold level range limit nominal) near (below lesser under smaller lower) same (accumulat\$3 sum\$4 add\$3 subtrat\$3 deduct\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 21:00 |

EAST Search History

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|-----|-----|--|--|----|----|------------------|
| S52 | 402 | S51 not S46 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 21:01 |
| S53 | 1 | 11/193738 and ("58" "60" "62" "68") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/09 08:51 |
| S56 | 1 | 11/193738 and (load) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 22:21 |
| S57 | 1 | 11/193738 and (threshold nominal) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/09 08:27 |
| S59 | 1 | protect\$3 adj (circuit device apparatus system method) same (hous\$3 cas\$3 packag\$3 chip) same (input output external exterior terminal pin leg) near5 thin\$4 near5 fuse | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/09 08:39 |
| S60 | 4 | protect\$3 adj (circuit device apparatus system method) and (hous\$3 cas\$3 packag\$3 chip) same (input output external exterior terminal pin leg) near5 thin\$4 near5 fuse | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/09 08:41 |
| S61 | 1 | 11/193738 and fuse | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/09 09:22 |

EAST Search History

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|-----|-----|---|--|----|----|------------------|
| S62 | 1 | 11/193738 and (time) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/09 09:27 |
| S63 | 1 | 11/193738 and (keep\$3 maintain\$3 remain\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/09 09:28 |
| S66 | 1 | 11/193738 and (switch on) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/09 09:30 |
| S67 | 269 | (esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 E-chuck\$3 E\$chuck\$3) and vacuum near3 (gas air) near3 (prior before first (in adj advance)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/10 14:38 |
| S68 | 61 | (esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 E-chuck\$3 E\$chuck\$3) and vacuum near3 (gas air) near3 (prior before) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/13 15:09 |
| S69 | 19 | (esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 E-chuck\$3 E\$chuck\$3) and vacuum adj3 (gas air) adj3 (prior before) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/10 14:58 |
| S70 | 0 | (esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 E-chuck\$3 E\$chuck\$3) adj4 vacuum adj4 (gas air) adj3 (prior before) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/10 15:00 |

EAST Search History

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| S72 | 2 | (esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 E-chuck\$3 E\$chuck\$3) same vacuum\$3 adj4 (gas air) adj3 (prior before) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/10 15:19 |
| S73 | 10 | (esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 E-chuck\$3 E\$chuck\$3) same vacuum\$3 adj10 (gas air) adj10 (prior before) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/10 16:05 |
| S74 | 8 | S73 not S72 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/10 15:20 |
| S77 | 72 | (esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 E-chuck\$3 E\$chuck\$3) same vacuum\$3 adj10 (gas air) adj10 (above-mentioned aforementioned ahead antecedent anterior before foregoing former forward past pre-existent pre-existing precedent preceding previous beforehand earlier early first foremost forward (in adj front) leading previously prior priori) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/10 16:46 |
| S78 | 20 | (esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 E-chuck\$3 E\$chuck\$3) same vacuum\$3 adj10 (gas air) adj10 (above-mentioned aforementioned ahead antecedent anterior before foregoing former forward past pre-existent pre-existing precedent preceding previous beforehand earlier early first foremost forward (in adj front) leading previously prior priori) near (process\$3 chuck\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/13 11:09 |

EAST Search History

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| S79 | 20 | (esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 E-chuck\$3 E\$chuck\$3) same vacuum\$3 adj10 (gas air) adj10 (above-mentioned aforementioned ahead antecedent anterior before foregoing former forward past pre-existent pre-existing precedent preceding previous beforehand earlier early first foremost forward (in adj front) leading previously prior priori) near (process\$3 chuck\$3) and (gas he helium air argon) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/10 16:57 |
| S80 | 1266 | (esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 E-chuck\$3 E\$chuck\$3) same (gas air he helium argon) near5 (support\$3 hold\$3 help\$3 position\$3 plac\$3) near5 (wafer die substrate) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/10 17:00 |
| S81 | 549 | (esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 E-chuck\$3 E\$chuck\$3) same (gas air he helium argon) near3 (support\$3 hold\$3 help\$3 position\$3 plac\$3) near3 (wafer die substrate) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/10 17:00 |
| S82 | 12 | ("20040083975" "5542559" "5665166" "5413360" "5522131" "5812361" "6500686" "6946403" "6084763" "6370006" "6414834" "6557248" "6581275" "7033443").PN. and (gas he) same vacuum | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/10 19:42 |
| S83 | 14 | (esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) E-chuck\$3 E\$chuck\$3) near5 vacuum\$3 near5 step | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/13 11:11 |
| S84 | 3 | 10/253098 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/13 11:41 |

EAST Search History

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| S85 | 3 | 10/253098 and (vacuum gas he helium chuck\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/13 11:42 |
| S86 | 9228965 | (esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) E-chuck\$3 E\$chuck\$3) same vacuum adj3 (prior before ahead\$3) adj\$3 process\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/13 15:17 |
| S89 | 1 | (esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) E-chuck\$3 E\$chuck\$3) same (vacuum adj5 (prior before ahead\$3) adj5 process\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/13 15:30 |
| S90 | 21 | (esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) E-chuck\$3 E\$chuck\$3) and (vacuum adj5 (prior before ahead\$3) adj5 process\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/13 15:31 |
| S93 | 5 | ("5542559" "69747009" "7033443" "5665166").pn. and (manifold conduit) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/13 17:26 |
| S94 | 6 | ("5542559" "69747009" "7033443" "5665166").pn. and (manifold conduit channels backside top upper above) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/13 17:41 |
| S95 | 9 | ("5542559" "69747009" "7033443" "5665166").pn. and (manifold conduit channels backside top upper above chamber) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/13 17:42 |

EAST Search History

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| S96 | 3 | ("5542559" "69747009" "7033443" "5665166").pn. and (manifold conduit channels backside top upper above chamber) and backside same chamber | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/13 17:42 |
| S97 | 2 | "6974709".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/13 18:47 |